PHILIP MORRIS CONFIDENTIAL

Acces	ssion	No. 77-080	_
Copy	No		
Issue	ed To	shide	

PHILIP MORRIS U.S.A.

RESEARCH CENTER

CHARGE NO. & TITLE: 2100 NEW PRODUCT DEVELOPMENT

TYPE REPORT: OANNUAL COMPLETION SPECIAL. OSEMIANNUAL -

Lite Stage in the DATE: April 15, 1977 PERIOD COVERED:

REPORT TITLE: V-4586

85mm KENT GOLDEN LIGHTS (IBM Code D7KN) CONTROL:

versus

EXPERIMENTAL: 85mm 5mg CORK TIPPED CIGARETTE WITH BLENG

D7CFW (IBM Code D7KO)

WRITTEN BY Faye Reynolds

DISTRIBUTION:

R. Seligman

F. Resnik

W. Ganron

R. Thomson F. Daylor

J. Osmalov

H. Daniel

L. Meyer

H. Spielberg

4. Johnston

P. Gauvin (Requester) S.E.F. File(F. Reynolds

Indexer

Day File (2) Central File (2)

C. Kounnas

KEYWURDS !

85mm Kent Golden Lights

85mm 5mg cork tipped digarette blend D7CFW

Source: https://www.industrydocuments.ucsf.edu/docs/mpgk0000

The Control 85mm Kent Golden Lights cigarette was found:

- to have the better aftertaste by:
 - low delivery smokers (p<.001) a.
 - regular filter smokers (p<.10) b.
 - combined panel (p<.001) ,... C ..
- 2. to be the preferred cigarette by:
 - low delivery smokers (p<.005)
 - ъ. combined panel (p<.005)
- to have a higher mean rating on the nine-point overall acceptability scale by:
 - low delivery smokers (p<.001) **a**.
 - b. regular filter smokes (p<.05)
 - combined panel (p<.001) c.
- to have a higher mean rating on the seven-point purchase probability scale by:
 - low delivery smokers (p<.001)
 - combined panel (p<.01)

The Experimental 85mm 5mg cork tipped cigarette with blend D7CFW was found:

- to be more spicy by:
 - low delivery smokers (p<.01)</pre> b.
 - combined panel (p<.05)
- to have an off-taste by:
 - low delivery smokers (p<.005)
 - ъ. regular filter smokers (p<.05)
 - combined panel (p<.001)
- to be harsher by:
 - low delivery smokers (p<.005) a.
 - combined panel (p<.005)
- to be more bitter by:
 - low delivery smokers (pr.05)
 - combined panel (p<.03):

Although not significantly different at the p<.10 level there are some tendencies which should be noted: (1) regular filter smokers preferred the Control 85mm Kent Golden Lights (p<.12) (2) low delivery smokers (p<.15) and the combined panel (p<.12) found the Control 85mm Kent Golden Lights to have more total taste and (3) regular filter smokers found the Experimental 85mm 5mg cork tipped cigarette with blend D7CFW to be harsher (p<.12).

Purpose: To evaluate a 5mg cork tipped cigarette with blend D7CFW.

Procedure: Paired-comparison (See Attached ballot for further information).

Panelists: A panel of 300 smokers recruited from the Va. Panel were used for this test. The panel consisted of a cross-section of 150 (85mm) low delivery smokers and a cross-section of 150 (85mm) regular filter smokers. Panelists who have switched to another cigarette type (not in the purposed panel for this test) were tabulated separately.

Cigarettes: Produced and packaged at R&D in Product Opinion Laboratory packs. Presentation was balanced using color codes.

A Commence of the state of the	Red	Black	
Control: Kent Golden Lights 85mm (IBM code D7KN)	E7	T 5	
Experimental: 85mm 5mg cork tipped cigarette with blend D7CFW (IBM Code D7KO)	T 5	E7	

KEY:

		产业 35 H			
and the second of the second o	Control	Experimental	No.		**
43			No	· ·	*
	(D7KN):	(D7KO)	Difference	Probabili	ty 📑
Which digarette:					
•				•	그 사가 맞았다
Mag mang taxal taxa-0					44
Has more total taste?					1
Los	51	36	16	p < .15	1 1
RFS	58	47	. 9	NS	, , , ,
TSW		and a			i Anna i
124	5	7	2	NS	440,00
CP	114	90	27	P < .12	100
vi e					
Ben in odd annan					A
Has an off-taste?					
LDS	16	48	39	P < .005	
RFS	25	46	43	p < .05	
		er i			. S. 🥳
TSW	6	4	4	NS.	1. 4 C 3 F 1
· CP	47	98	86	p < .001	
			•	,	- 8
To Kamakaan					
Is harsher?		1. The second of	-		<i>f</i> 2
LDS	18	49	- 36	p < .005	44.53
RFS	21	38			4.1
			55	p < .12	
TSW	2	3	9	NS	
CP	41	90	100	p < .005	10 mm (10 mm)
			100	F	10.00
1	**		*	10 miles	ा रेऽक् रात हा क्षेत्रहा
Is more spicy?				•	K-17
LDS	13	40	50	p < .01	4.0
RFS	31	31			y 14
			52	NS	100
TSW	3	6	5	NS -	- 130 or 140 or
CP	47	77	107	p < .05	$A_{i}G_{i}$
	••	• •	10.	p	
		*			
Is sweeter tasting?					1 min
LDS	40	30	33	NS NS	1.00
					ALC: NO.
111 5	38	. 36	40	NS	
£ 0 n.	4	4	6	NS	一种人类的
СР	82	70	79	NS	100
	32	•0	6.5	14.0	1
					49 3 10
Is more bitter?					3.
LDS	19	39	45	p <.05	1
RFS					
	24	34	5 6	NS	5 B 150
TSW.	1	4	9	NS	5.44
CP	44	77	110	P <.03	- 1
••	7.1	* *	110	P ~.U3	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Is more tobacco-like					
in flavor?					. 21
	4.5	8.0	۸.		
LDS	43	39	21	NS	1
RFS	58 .	43	13	NS	,
TSW	4	7	3	NS	
CP	105				12.3
GF	102	89	37	NS	
					i
Has the better aftertaste?					
LDS	57	23	0.0)
	U (23	b < .001	
RFS	56	38	20	p < .10	<u></u>
TSW	5.	6	3.	7.5	
CP	1018	67	4.0	p < .001 p < .10 NS p < .001	1000365336
	41 4-17	67	46	p < .004.	اِ اِب
					رن. ا
					\equiv
					ر ن
					ር M
					7:
					w
					6.5
					\simeq
					o n 1

P.4

10 m

۳	
)
Č	_
)
C)
0)
٢	7
C	و
Č	٥
	J

	Control (D7KN)	Experimental (D7KO)	Probability
Which do you prefer?			
LDS	64	34	P < .005
RFS	64	47.	p < .12
TSW	7	7	NS
CP	135	88	P < .005

Nine-point overall accepability scale (1 = dislike extremely to 9 = like extremely)

yean ———				_
	Control (D7KN)	Experimental (D7KO	t-scores	Probability
LDS RFS TSW CP	6.18 5.28 5.57 5.70	4.88 4.70 5.71 4.84	4.62 2.03 0.15 4.29	P <.001 P <.05 NS P <.001

Seven-point purchase probability scale (1 = definitely not to 7 = definitely)

	Wes	an ——		
un gradit en euro GM	Control (D7KN)	Experimental (D7KO)	t-scores	Probability
LDS: RFS: TSW CP	4.30 3.65 3.64 3.94	3.31 3.30 4.07 3.35	3.62 1.37 0.53 3.23	p<.001 NS NS p<.01

Comparison of Brands Used for Mailout Versus Brands of Test Respondents

	Mailout (%)*	Returned (70
Low Delivery Brands		
Kent	14.7	11.3
Parliament	6.7	4.0
Vantage	12.7	8.7
True	4.0	2,7
Damal	4.0	2.7
Carlton	6.0	6.0
Kent Golden Lights	6.7	2.0
Merit	6.7	3.3
•	2.7	2.0
Now Lark	4.0	4.0
Tareyton	10.0	7.3
B&H Multifilter	2.0	0.7
Marlboro Lights	8.0	5.3
	8.0	2.7
All others	4.0	6.0
Regular Filter Brands	 •.	
Marlboro	41.3	32.0
Winston	36.7	24.7
L& M	4.0	2.7
Viceroy	6.0	6.0
Raleigh	4.0	2.7
Camel	3.3	2.7
Old Gold	1.3	0.7
All others	3.3	4.7
Type Switchers**		9.3

Percentages based on share of market held by each individual brand
 Source: 1976 Maxwell Report: Third Quarter

^{**} Includes anything other than an 85mm Low delivery cigarette or an 85mm Regular filter cigarette.

14

TO: Narv Sanderford
FROM: Jr. E. Wickham

SUBJECT: Virginia Panel V-4596

Submitted By: P. Gauvin

DTKN = Red ET and Black TS = Kent Golden Lights SS Cigarettes DTKO = Red TS and Black ET = 85 nm 5 mg Candidate, DTCFW Blend With Cork Tipping

DATE: March 16, 1977

The 85 mm 5 mg candidate, DTCFN blend with cork tipping (DTKO), was different from the Kent Golden Lights \$5 cigarettes (DTKN) in all characteristics tested except puff count, static burning time, circumference, type paper additive, and timping paper length.

The Kent Golden Lights \$5 cigarettes will be identified to the panelists.

•	Of an E no Condide		
	Kent Golden Lights 85	85 mm 5 mg Candidate D*CFW Blend With Tork Tipping	
IBM Code	D7 KN	DTKO	
Smoke Butt Length, mm FTC Tar, mg/cigt. Nicotine, mg/cigt. Puffs/cigt. Filtration Eff., %	35 7.6 0.69 7.6 52	35 4.8 0.46 8.2 63	
Cigarette Total RID, in. of H ₂ 0 Static Burn. Time, min. Lengtn. mm Circumference, mm	3.7 6.6 84.6 24.9	4.6 7.2 84.1 25.0	
	Cit.	Cit.	
Filter RID, in. of H ₂ O Length, mm Meight, g Tipping paper length, mm Dilution, %	2.9 24.9 0.16 32 38	3.9 27.0 0.19 32 43	
Filler Total alkaloids, % Total reducing sugars, % Wt. of tob., g Rod Density, g/cc	1.88 6.8 0.665 0.226	1.68 4.1 0.710 0.250	
JEW: gmm			
com Dr. R. B. Seligman		. (

occ: Dr. R. B. Seligman
Mr. F. E. Resnik
Mr. T. T. Grodale
Mr. R. W. Thomson
Dr. A. F. Jannon
Mr. J. S. Ismalix
Mr. F. L. Davier
Mr. H. G. Davier
Mr. H. G. Davier
Mr. L. F. Mever
Mr. N. L. Spielres
Mr. R. L. Spielres
Mr. R. Davier
Mr. R. L. Spielres
Mr. R. L. Spielres
Mr. R. Davier
Mr. R. L. Spielres
Mr. R. Davier
Mr. R. L. Spielres
Mr. R. Davier
Mr.

with the second

PHILIP MORRIS U. S. A. INTER-OFFICE CORRESPONDENCE

RICHMOND. VIRGINIA

Te:

Jerry Osmalov

Date:

February 11, 1977

from:

Mary Sande-ford

Charge No.

2100

Subject: .

Virginia Panel Test V-4586

Test Requester:

Paul Gauvin

Approved by:

Manager Manager

Panel Makeup:

150 Cross Section 85mm Health Filter Smokers 150 Cross Section 85mm Regular Filter Smokers

Presentation: Paired Comparison

Quantity:

Control

Red Black E7 750 packs T5 750 packs

llack T5

Experimenta'

Red Black

T5 750 packs E7 750 packs

Cigarette Descriptions:

Control - Kent Golden Lights, Identified

Experimental -

5mg Candidate - Use X6D7CFW Blend, Use

Cork Tipping. See P. Gauvin or L. Filosa

for remaining specs.

ſs

cc: R. S

R. Seligman

W. Gannon

R. Thomson

F. Daylor L. Meyer

J. Wickham H. Daniel H. Spielberg

E. Chambers

C. Kounnas

J. Whitman

M. Johnston

J. Warren (3)

B. Rainey

P. Gauvin (Requester)

L. Filosa

1000365340

PRODUCT OPINION LABORATO (Make address changes on this label.) PRODUCT OPINION LABORATORY P.O. Box 26563 - Richmond, Va. 23261 Phone: (804) 271-3388 RETURN BALLOT BY %√ V-4586 Dear Panelist: With this belief I am sending you ten packs of cigarettes coded as follows: E7 - 5 packs and T5 - 5 packs. Remember, you do not have to smoke all of the cigarettes - only as many as you need to complete the questionnaire. When this questionnaire is completely filled out, please return it to me in the enclosed postage-paid envelope. Thank you very much - your ecoperation in this test is most helpful. D. F. Reynolds Proof Lorder PLEASE READ ENTIRE BALLOT BEFORE STARTING TEST **为的逻辑中的人主动的数据的内容的是自然的企业中国的**自然的内容的。 First smoke some of the eigerettes marked B7 and then the cigarettes marked T5. Then compare the two cigarettes with each other and complete the setions below
No. 100 Monage Process Control of the Which digarette: has more total taste? has an off-taste? to hereber? is more spley? is sweeter-testing? le more bitter? is more tobacco-like in flavor? has the better aftertaste? Which do you prefer? (choose 'ne) 000365341 Check the box that bear · "iber www you feel about the overall acceptability of the cigarette r ded B disite disite disite disite disite distribution distribut neither like like like like like like like nor slightly coderately very outs extremely Check the box that best describes how you feel about the overall acceptability of the cigarette coded T5.

Source: https://www.industrydocuments.ucsf.edu/docs/mpak0000

Would you buy the E7 cigarette if it were available now?

like like like like tike

1

1000365342

Source: https://www.industrydocuments.ucsf.edu/docs/mngk0000